



RECEIPT

PATENT

Attorney Docket No. 28967 34140A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Alitalo *et al.*

Serial No.: 09 534,376

Filed: March 24, 2000

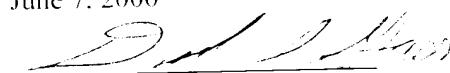
For: VASCULAR ENDOTHELIAL
GROWTH FACTOR C (VEGF-C)
PROTEIN AND GENE
MUTANTS THEREOF, AND
USES THEREOF

Group Art Unit: 1632

Examiner: To be assigned.

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on this date:

June 7, 2000


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Reg. No. 38,153

Attorney for Applicants

REQUEST FOR CORRECTED FILING RECEIPT

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231

Sir:

Attached hereto are copies of a filing receipt issued by the Patent Office, the cover sheet filed with the patent application, and page 1 of the patent application as filed. It will be apparent from the patent application that the filing receipt contains an incomplete priority claim. It will be apparent from the cover sheet that the inventors' residences were provided. The applicants respectfully request issuance of a new filing receipt that identifies the inventors' residences and that identifies all of the priority applications, dating back to 1994. Because the application claims priority back to 1994, it is entitled to special status for examination purposes.

Respectfully submitted,

MARSHALL, O'TOOLE, GERSTEIN,
MURRAY & BORUN

By



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June 7, 2000

FILING RECEIPT

JUN 12 2000

PATENT & TRADEMARK OFFICE

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U.S. PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND
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Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/534,376	03/24/2000	1632	633	28967/34140A	16	39	6

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RECEIVED
MAY 26 2000
MARSHALL O'TOOLE

Date Mailed: 05/22/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Kari Alitalo, Residence Not Provided;
Vladimir Joukov, Residence Not Provided;

Continuing Data as Claimed by Applicant

THIS APPLICATION IS A CON OF 09/355,700 11/05/1999
WHICH IS A 371 OF PCT/US98/01973 02/02/1998
AND A CIP OF 08/795,430 02/05/1997

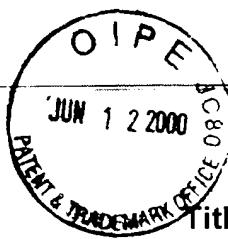
Foreign Applications**If Required, Foreign Filing License Granted 05/19/2000****** SMALL ENTITY ******Title**

Vascular endothelial growth factor C (VEGF-C) protein and gene mutants thereof, and uses thereof

Preliminary Class

435

Data entry by : HARDY, EUGENIA**Team : OIPE****Date: 05/22/2000**



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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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JOINT INVENTORS



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Washington, D.C. 20231

Richard Zimmermann

APPLICATION FOR UNITED STATES LETTERS PATENT

S P E C I F I C A T I O N

TO ALL WHOM IT MAY CONCERN:

Be it known that we, KARI ALITALO, a citizen of Finland,
residing at Nyyrikintie 4A, 02100 Espoo, Finland, and VLADIMIR JOUKOV, a
citizen of Russia, residing at 51 Massachusetts Ave., Apt. 1F, Boston 02115,
and State of Massachusetts have invented a new and useful "VASCULAR
ENDOTHELIAL GROWTH FACTOR C (VEGF-C) PROTEIN AND GENE,
MUTANTS THEREOF, AND USES THEREOF", of which the following is a
specification.



VASCULAR ENDOTHELIAL GROWTH FACTOR C (VEGF-C) PROTEIN AND GENE, MUTANTS THEREOF, AND USES THEREOF

This application is a continuation of U.S. Patent Application No. 09/355,700, which is a 35 USC §371 U.S. National Stage filing of International Application No. PCT/US98/01973, filed February 2, 1998. This application also is a continuation-in-part of United States Patent Application Serial No. 08/795,430, filed February 5, 1997. This patent application also is a continuation-in-part of International Patent Application PCT/FI96/00427, filed August 01, 1996; and a continuation-in-part of United States Patent Application Serial No. 08/671,573, filed June 28, 1996; and a continuation-in-part of United States Patent Application Serial Number 08/601,132, filed February 14, 1996; and a continuation-in-part of United States Patent Application Serial Number 08/585,895, filed January 12, 1996; and a continuation-in-part of United States Patent Application Serial Number 08/510,133, filed August 1, 1995; and a continuation-in-part of United States Patent Application Serial Number 08/340,011, filed November 14, 1994, now U.S. Patent No. 5,776,755.

FIELD OF THE INVENTION

The present invention generally relates to the field of genetic engineering and more particularly to growth factors for endothelial cells and growth factor genes.

BACKGROUND OF THE INVENTION

Developmental growth, the remodeling and regeneration of adult tissues, as well as solid tumor growth, can only occur when accompanied by blood vessel formation. Angioblasts and hematopoietic precursor cells differentiate from the mesoderm and form the blood islands of the yolk sac and the primary vascular system of the embryo. The development of blood vessels from these early (*in situ*) differentiating endothelial cells is termed vasculogenesis. Major embryonic blood vessels are believed to arise via vasculogenesis, whereas the formation of the rest of the vascular tree is